



Grade 14 High Performance Butt Hinge – 102 x 76mm – Square Corners – PVD Brass

Variant code: 2205.01.PVD

The **Grade 14 High Performance Butt Hinge** is a premium architectural hinge engineered for heavy-duty commercial and residential applications where exceptional strength, reliability and smooth operation are essential. Measuring **102 x 76mm** and finished in an attractive **PVD Brass** coating, this high-performance hinge combines outstanding durability with a luxurious brass appearance, making it ideal for prestigious architectural projects and certified fire door installations.

Manufactured to meet **BS EN 1935:2002 Grade 14**, the highest performance classification for single-axis hinges, this hinge is designed to support doors weighing up to **160kg**. Its **self-lubricating** bearing system delivers smooth, quiet operation while requiring minimal maintenance throughout its service life. The hinge is **CE marked**, **UKCA marked** and **Certifire approved**, making it suitable for use on certified fire door assemblies. Compatible **Intumescent Hinge Pads** are available separately for fire-rated installations.

Ideal for new-build developments, commercial fit-outs and refurbishment projects, the Grade 14 High Performance Butt Hinge provides exceptional load capacity, certified performance and long-lasting durability for professional architectural door installations.

Product Features

- Grade 14 high performance butt hinge
- Dimensions: 102 x 76mm
- Square corner design
- Premium PVD Brass finish
- Certified to BS EN 1935:2002 Grade 14
- Self-lubricating bearing system
- Low maintenance operation
- Supports door weights up to 160kg
- CE marked, UKCA marked and Certifire approved
- Compatible Intumescent Hinge Pads available separately

Product Benefits

- Supports doors weighing up to 160kg for demanding heavy-duty applications
- Self-lubricating mechanism provides smooth, quiet operation with minimal maintenance
- Certified to BS EN 1935 Grade 14 with CE, UKCA and Certifire approval for trusted fire door performance
- PVD Brass finish offers exceptional durability with a premium architectural appearance
- Designed for frequent use in high-traffic commercial environments
- Engineered for long service life and dependable performance
- Compatible with separately available Intumescent Hinge Pads for fire door applications
- Suitable for professional new-build, refurbishment and replacement projects

Technical Characteristics

- Product Type: High Performance Butt Hinge
- Performance Grade: Grade 14
- Standard: BS EN 1935:2002 Grade 14
- Dimensions: 102 x 76mm
- Corner Type: Square
- Finish: PVD Brass
- Bearing Type: Self-Lubricating
- Maximum Door Weight: 160kg
- Certification: CE Marked, UKCA Marked & Certifire Approved
- Maintenance: Low Maintenance
- Fire Door Accessories: Intumescent Hinge Pads Available Separately

Applications

The **Grade 14 High Performance Butt Hinge** is ideal for **offices, hospitals, schools, hotels, apartment developments, public buildings and high-end residential properties**. Designed for installation on **heavy-duty timber doors and certified fire doors**, it provides outstanding strength, smooth operation and long-term reliability in high-traffic environments. For fire-rated door assemblies, compatible **Intumescent Hinge Pads** can be fitted separately where required.



Property	Value
Finish	PVD Brass
Fire Rating	FD120 & FD240
Max Door Weight (kg)	Up to 160kg
Hinge Type	Ball Bearing, Self-Lubricating
Certification	BS EN 1935:2002 Grade 14, CE 2812, UKCA 1121, Certifire CF5320
Dimensions	102 × 76 × 3.4mm